

# PATENT COOPERATION TREATY

To:

YOU ME PATENT & LAW FIRM  
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**PCT**

**WRITTEN OPINION OF THE  
 INTERNATIONAL SEARCHING AUTHORITY**  
 (PCT Rule 43bis.1)

		Date of mailing (day/month/year)	5 April 2005 (05.04.2005)
Applicant's or agent's file reference <b>OPP043360KR</b>		<b>FOR FURTHER ACTION</b> See paragraph 2 below	
International application No. <b>PCT/KR 2005/000129</b>	International filing date (day/month/year) <b>14 January 2005 (14.01.2005)</b>		Priority Date (day/month/year) <b>16 January 2004 (16.01.2004)</b>
International Patent Classification (IPC) or both national classification and IPC <b>H04Q 7/34, H04B 17/00, G01R 29/08</b>			
Applicant <b>KTFREETEL CO., LTD.</b>			

1. This opinion contains indications relating to the following items:

- Cont. No. I Basis of the opinion
- Cont. No. II Priority
- Cont. No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Cont. No. IV Lack of unity of invention
- Cont. No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Cont. No. VI Certain documents cited
- Cont. No. VII Certain defects in the international application
- Cont. No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/AT <b>Austrian Patent Office</b> <b>Dresdner Straße 87, A-1200 Vienna</b>  Facsimile No. +43 / 1 / 534 24 / 535	Authorized officer  <b>KÖGL C.</b>  Telephone No. +43 / 1 / 534 24 / 440
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**Continuation No. I****Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed.

**Continuation No. V****Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

## 1. Statement

Novelty (N)	Claims 1-16	YES
	Claims ----	NO
Inventive step (IS)	Claims 1-16	YES
	Claims ----	NO
Industrial applicability (IA)	Claims 1-16	YES
	Claims ----	NO

## 2. Citations and explanations:

The following documents are mentioned in the International Search Report; the numbering will be adhered to in the rest of the procedure:

D1: JP 6 197 059 A  
 D2: GB 2 354 115 A  
 D3: JP 2001/320754 A  
 D4: JP 63 026 129 A  
 D5: US 6 640 115 B1

D1 teaches a diversity communication system. Document D1 is considered to represent the most relevant document. A base station sends a control signal to each mobile station while selecting any of N-sets of base station antennas through the use of a control slot. While receiving a control sent from the base station for a control slot period, a monitor station (16) monitors an antenna identification signal. A quality discrimination circuit (36) discriminates the reception quality such as reception electric field strength and stores the results to an antenna quality storage circuit (33). The subject matter in **Claim 1** of the present application shows e.g. a message parser, a database information database and a result modifier. These technical features are not shown in D1. Therefore the present application shows a favourable improvement in respect of the prior art.

The cited publication D2 describes an adaptive multifilar antenna. The detector different measurement options such as VWSR of the signal. The subject matter in **Claim 1** of the present application shows e.g. an antenna system monitor, a message parser and a base

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station identifier. These technical features are not shown in D2 as well. D2 represents a standard technology.

Document D3 refers to a mobile communication system with automatic registration of radio base station installed position. D4 shows a control method for plural base stations. D5 teaches a radio communication apparatus having speed judging circuitry.

Summarizing, the subject matter of **Claims 1-16** is novel and inventive in respect of the cited prior art. Documents D1-D5 describe a standard technology which is not considered to be of a particular relevance.

Industrial applicability is obvious given.

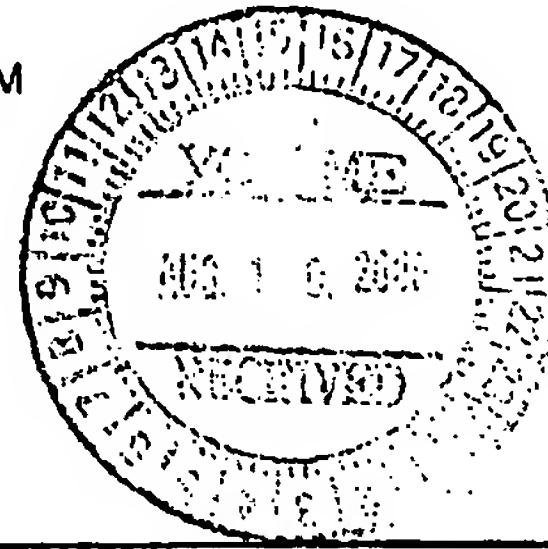
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From the INTERNATIONAL BUREAU

## PCT

NOTIFICATION CONCERNING  
TRANSMITTAL OF COPY OF INTERNATIONAL  
APPLICATION AS PUBLISHED OR REPUBLISHEDDate of mailing (day/month/year)  
28 July 2005 (28.07.2005)

To:

YOU ME PATENT & LAW FIRM  
Seolim Bldg.  
649-10  
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RÉPUBLIQUE DE CORÉEApplicant's or agent's file reference  
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## IMPORTANT NOTICE

International application No.  
PCT/KR2005/000129International filing date (day/month/year)  
14 January 2005 (14.01.2005)Priority date (day/month/year)  
16 January 2004 (16.01.2004)

Applicant

KTFREETEL CO., LTD. et al

The International Bureau transmits herewith the following documents:

copy of the international application as published by the International Bureau on 28 July 2005 (28.07.2005) under  
No. WO 2005/069664

copy of international application as republished by the International Bureau on under  
No. WO

For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (as the case may be) on the front page of the attached document.

The International Bureau of WIPO  
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